



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/086,748
Source: 1FW/6
Date Processed by STIC: 11/10/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION SERIAL NUMBER: 10/086,748

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 Skipped Sequences
(OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 Skipped Sequences
(NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 Use of <220>
→ Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/086,748

DATE: 11/10/2004
TIME: 16:29:47

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt
Output Set: N:\CRF4\11102004\J086748.raw

3 <110> APPLICANT: Wolber, Paul
 5 <120> TITLE OF INVENTION: Calibration of Molecular Array Data
 7 <130> FILE REFERENCE: 10020405-1
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/086,748
 C--> 9 <141> CURRENT FILING DATE: 2002-02-28
 9 <160> NUMBER OF SEQ ID NOS: 29
 11 <170> SOFTWARE: PatentIn version 3.3
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 20
 15 <212> TYPE: DNA
 16 <213> ORGANISM: artificial sequence;
 18 <220> FEATURE:
 19 <223> OTHER INFORMATION: artificial sequence
 21 <400> SEQUENCE: 1
 22 aaaaaaaaaa aaaaaatctc
 25 <210> SEQ ID NO: 2
 26 <211> LENGTH: 21
 27 <212> TYPE: DNA
 28 <213> ORGANISM: artificial sequence;
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: artificial sequence
 33 <400> SEQUENCE: 2
 34 aaaaaaaaaa aaaaaatctc c
 37 <210> SEQ ID NO: 3
 38 <211> LENGTH: 22
 39 <212> TYPE: DNA
 40 <213> ORGANISM: artificial sequence;
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: artificial sequence
 45 <400> SEQUENCE: 3
 46 aaaaaaaaaa aaaaaatctc cc
 49 <210> SEQ ID NO: 4
 50 <211> LENGTH: 23
 51 <212> TYPE: DNA
 52 <213> ORGANISM: artificial sequence;
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: artificial sequence
 57 <400> SEQUENCE: 4
 58 aaaaaaaaaa aaaaaatctc cca
 61 <210> SEQ ID NO: 5
 62 <211> LENGTH: 23
 63 <212> TYPE: DNA
 64 <213> ORGANISM: artificial sequence;

ppr 1-7
 Does Not Comply
 Corrected Diskette Needed

insufficient explanation - guid
 source of genetic material (see item 11
 20 on Error
 summary
 sheet)

same error

21

22

23

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/086,748

DATE: 11/10/2004

TIME: 16:29:47

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt
Output Set: N:\CRF4\11102004\J086748.raw

66 <220> FEATURE:
 67 <223> OTHER INFORMATION: artificial sequence
 69 <400> SEQUENCE: 5
 70 aaaaaaaaaaaa aaaaaaaatc tcc 23
 73 <210> SEQ ID NO: 6
 74 <211> LENGTH: 24
 75 <212> TYPE: DNA
 76 <213> ORGANISM: artificial sequence }
 78 <220> FEATURE:
 79 <223> OTHER INFORMATION: artificial sequence }
 81 <400> SEQUENCE: 6
 82 aaaaaaaaaaaa aaaaaatctc ccaa 24
 85 <210> SEQ ID NO: 7
 86 <211> LENGTH: 24
 87 <212> TYPE: DNA
 88 <213> ORGANISM: artificial sequence }
 90 <220> FEATURE:
 91 <223> OTHER INFORMATION: artificial sequence }
 93 <400> SEQUENCE: 7
 94 aaaaaaaaaaaa aaaaaaaatc tccc 24
 97 <210> SEQ ID NO: 8
 98 <211> LENGTH: 25
 99 <212> TYPE: DNA
 100 <213> ORGANISM: artificial sequence }
 102 <220> FEATURE:
 103 <223> OTHER INFORMATION: artificial sequence }
 105 <400> SEQUENCE: 8
 106 aaaaaaaaaaaa aaaaaatctc ccaa 25
 109 <210> SEQ ID NO: 9
 110 <211> LENGTH: 25
 111 <212> TYPE: DNA
 112 <213> ORGANISM: artificial sequence }
 114 <220> FEATURE:
 115 <223> OTHER INFORMATION: artificial sequence }
 117 <400> SEQUENCE: 9
 118 aaaaaaaaaaaa aaaaaaaatc tccca 25
 121 <210> SEQ ID NO: 10
 122 <211> LENGTH: 26
 123 <212> TYPE: DNA
 124 <213> ORGANISM: artificial sequence }
 126 <220> FEATURE:
 127 <223> OTHER INFORMATION: artificial sequence }
 129 <400> SEQUENCE: 10
 130 aaaaaaaaaaaa aaaaaatctc ccaaaa 26
 133 <210> SEQ ID NO: 11
 134 <211> LENGTH: 26
 135 <212> TYPE: DNA
 136 <213> ORGANISM: artificial sequence }
 138 <220> FEATURE:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/086,748

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TIME: 16:29:47

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt
Output Set: N:\CRF4\11102004\J086748.raw

139 <223> OTHER INFORMATION: artificial sequence
 141 <400> SEQUENCE: 11
 142 aaaaaaaaaaaa aaaaaaaaatc tcccaa 26
 145 <210> SEQ ID NO: 12
 146 <211> LENGTH: 27
 147 <212> TYPE: DNA
 148 <213> ORGANISM: artificial sequence
 150 <220> FEATURE:
 151 <223> OTHER INFORMATION: artificial sequence
 153 <400> SEQUENCE: 12
 154 aaaaaaaaaaaa aaaaaaaaatc tcccaa 27
 157 <210> SEQ ID NO: 13
 158 <211> LENGTH: 27
 159 <212> TYPE: DNA
 160 <213> ORGANISM: artificial sequence
 162 <220> FEATURE:
 163 <223> OTHER INFORMATION: artificial sequence
 165 <400> SEQUENCE: 13
 166 aaaaaaaaaaaa aaaaaaatctc ccaaaaa 27
 169 <210> SEQ ID NO: 14
 170 <211> LENGTH: 28
 171 <212> TYPE: DNA
 172 <213> ORGANISM: artificial sequence
 174 <220> FEATURE:
 175 <223> OTHER INFORMATION: artificial sequence
 177 <400> SEQUENCE: 14
 178 aaaaaaaaaaaa aaaaaaaaatc tcccaaaa 28
 181 <210> SEQ ID NO: 15
 182 <211> LENGTH: 28
 183 <212> TYPE: DNA
 184 <213> ORGANISM: artificial sequence
 186 <220> FEATURE:
 187 <223> OTHER INFORMATION: artificial sequence
 189 <400> SEQUENCE: 15
 190 aaaaaaaaaaaa aaaaaaaaatc tcccaaaa 28
 193 <210> SEQ ID NO: 16
 194 <211> LENGTH: 28
 195 <212> TYPE: DNA
 196 <213> ORGANISM: artificial sequence
 198 <220> FEATURE:
 199 <223> OTHER INFORMATION: artificial sequence
 201 <400> SEQUENCE: 16
 202 aaaaaaaaaaaa aaaaaatctc ccaaaaa 28
 205 <210> SEQ ID NO: 17
 206 <211> LENGTH: 29
 207 <212> TYPE: DNA
 208 <213> ORGANISM: artificial sequence
 210 <220> FEATURE:
 211 <223> OTHER INFORMATION: artificial sequence

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/086,748

DATE: 11/10/2004
TIME: 16:29:47

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt
Output Set: N:\CRF4\11102004\J086748.raw

```

213 <400> SEQUENCE: 17
214 aaaaaaaaaaaa aaaaaaaatc tcccaaaaaa
217 <210> SEQ ID NO: 18
218 <211> LENGTH: 29
219 <212> TYPE: DNA
220 <213> ORGANISM: artificial sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: artificial sequence
225 <400> SEQUENCE: 18
226 aaaaaaaaaaaa aaaaaatctc ccaaaaaaaaaa
229 <210> SEQ ID NO: 19
230 <211> LENGTH: 30
231 <212> TYPE: DNA
232 <213> ORGANISM: artificial sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: artificial sequence
237 <400> SEQUENCE: 19
238 aaaaaaaaaaaa aaaaaaaatc tcccaaaaaaa
241 <210> SEQ ID NO: 20
242 <211> LENGTH: 30
243 <212> TYPE: DNA
244 <213> ORGANISM: artificial sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: artificial sequence
249 <400> SEQUENCE: 20
250 aaaaaaaaaaaa aaaaaatctc ccaaaaaaaaaa
253 <210> SEQ ID NO: 21
254 <211> LENGTH: 31
255 <212> TYPE: DNA
256 <213> ORGANISM: artificial sequence
W--> 258 <220> FEATURE: Artificial Sequence
W--> 258 <223> OTHER INFORMATION:
W--> 258 <400> 21
259 aaaaaaaaaaaa aaaaaaaatc tcccaaaaaaa a
262 <210> SEQ ID NO: 22
263 <211> LENGTH: 31
264 <212> TYPE: DNA
265 <213> ORGANISM: artificial sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: artificial sequence
270 <400> SEQUENCE: 22
271 aaaaaaaaaaaa aaaaaatctc ccaaaaaaaaaa a
274 <210> SEQ ID NO: 23
275 <211> LENGTH: 32
276 <212> TYPE: DNA
277 <213> ORGANISM: artificial sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: artificial sequence
282 <400> SEQUENCE: 23

```

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Artificial Sequence

*mandatory numeric identifier
needed. see p.6*

RAW SEQUENCE LISTING

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DATE: 11/10/2004

TIME: 16:29:47

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt

Output Set: N:\CRF4\11102004\J086748.raw

283 aaaaaaaaaaa aaaaaaatc tcccaaaaaa aa 32
 286 <210> SEQ ID NO: 24
 287 <211> LENGTH: 32
 288 <212> TYPE: DNA
 289 <213> ORGANISM: artificial sequence
 291 <220> FEATURE:
 292 <223> OTHER INFORMATION: artificial sequence
 294 <400> SEQUENCE: 24
 295 aaaaaaaaaaa aaaaaatctc ccaaaaaaaaa aa 32
 298 <210> SEQ ID NO: 25
 299 <211> LENGTH: 33
 300 <212> TYPE: DNA
 301 <213> ORGANISM: artificial sequence
 303 <220> FEATURE:
 304 <223> OTHER INFORMATION: artificial sequence
 306 <400> SEQUENCE: 25
 307 aaaaaaaaaaa aaaaaaatc tcccaaaaaa aaa 33
 310 <210> SEQ ID NO: 26
 311 <211> LENGTH: 33
 312 <212> TYPE: DNA
 313 <213> ORGANISM: artificial sequence
 315 <220> FEATURE:
 316 <223> OTHER INFORMATION: artificial sequence
 318 <400> SEQUENCE: 26
 319 aaaaaaaaaaa aaaaaatctc ccaaaaaaaaa aaa 33
 322 <210> SEQ ID NO: 27
 323 <211> LENGTH: 34
 324 <212> TYPE: DNA
 325 <213> ORGANISM: artificial sequence
 327 <220> FEATURE:
 328 <223> OTHER INFORMATION: artificial sequence
 330 <400> SEQUENCE: 27
 331 aaaaaaaaaaa aaaaaaatc tcccaaaaaa aaaa 34
 334 <210> SEQ ID NO: 28
 335 <211> LENGTH: 35
 336 <212> TYPE: DNA
 337 <213> ORGANISM: artificial sequence
 339 <220> FEATURE:
 340 <223> OTHER INFORMATION: artificial sequence
 342 <400> SEQUENCE: 28
 343. aaaaaaaaaaa aaaaaaatc tcccaaaaaa aaaaa 35
 346 <210> SEQ ID NO: 29
 347 <211> LENGTH: 60
 348 <212> TYPE: DNA
 349 <213> ORGANISM: artificial sequence
 351 <220> FEATURE:
 352 <223> OTHER INFORMATION: artificial sequence
 354 <400> SEQUENCE: 29
 355 ttgattcttt ttataataaac tacttttga tttaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa 60

10/086,948 6

<210> SEQ ID NO 21
<211> LENGTH: 31
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: : *see p. 7 for error explanation*
<400> SEQUENCE: 21

aaaaaaaaaaa aaaaaaaaaatc tcccaaaaaaa a

31

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/10/2004
PATENT APPLICATION: US/10/086,748 TIME: 16:29:48

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt
Output Set: N:\CRF4\11102004\J086748.raw

no explanation

Use of <220> Feature (NEW RULES) :

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:21

✓

VERIFICATION SUMMARY DATE: 11/10/2004
PATENT APPLICATION: US/10/086,748 TIME: 16:29:48

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt
Output Set: N:\CRF4\11102004\J086748.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:256 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21
L:258 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:21, <213>
ORGANISM:Artificial Sequence
L:258 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:21, <213>
ORGANISM:Artificial Sequence
L:258 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:21,Line#:258